

REMARKS

This application is a continuation of application serial no. 09/878,461 filed on June 11, 2001.

In the parent application, the Patent Office rejected claims 1-4, 8-11, 15-19, 23, and 24 under 35 U.S.C. § 102(b) as being anticipated by Kornfeld et al. (U.S. Patent No. 5,442,322). Applicant has cancelled claims 1, 8, 16, and 23, without prejudice, and amended claims 2, 9, 17, and 24 to be in independent form.

Regarding claims 2, 9, 17, and 24, Kornfeld fails to disclose providing a constant bias to the input and output amplifier stages. Kornfeld discloses a control circuit for a multi-stage power amplifier that compensates for fluctuations in ambient temperature, load, signal level, and power supply voltage. As illustrated in Figure 5, as temperature or source voltage fluctuations cause the current through the resistor 11 to decrease, the output of the op amp 14 decreases below the bias control voltage at node 8. The error amplifier 16 operates to adjust the bias of the stage three amplifier 3 such that the current through the resistor 11 increases until the output of the op amp 14 is equal to the bias control voltage. In addition, referring to col. 3, lines 52-55, the “reference signal can vary continuously as a function of input or output RF power, or may be a series of step functions based on a set of input or output RF power thresholds”, where the reference signal is the bias control voltage at node 8. Therefore, the bias of the amplifier 3 may be adjusted by the error amplifier 16 and/or by changing the bias control voltage. Since Kornfeld does not disclose providing a constant bias to the input and output amplifier stages, claims 2-4, 9-11, 15, 17-19, and 24 are allowable.

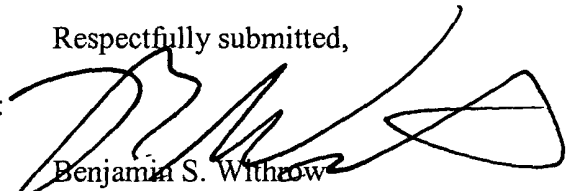
In the parent application, the Patent Office stated that claims 5-7, 12-14, 20-22, and 25-27 contain allowable subject matter. Applicant has amended claims 5, 6, 12, 13, 20, 21, 25, and 26 to be independent claims. Therefore, claims 5-7, 12-14, 20-22, and 25-27 are allowable.

Applicant has added new claims 28-31 which claim subject matter from original claims 1, 8, 16, and 23.

Consideration of the application is respectfully requested. If any issues arise, the examiner is encouraged to contact the undersigned attorney of record to expedite allowance and issue.

Respectfully submitted,

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